

ARGON; ARGON, COMPRESSED

MSDS Number

BVBBZ

National Stock Number

6830-00-564-8989

Product Name

ARGON; ARGON, COMPRESSED

Manufacturer

AIRGAS

Product Identification

Product ID:ARGON; ARGON, COMPRESSED

MSDS Date:05/01/1990

FSC:6830

NIIN:00-564-8989

MSDS Number: BVBBZ

Responsible Party

AIRGAS

100 MATSONFORD ROAD

RADNOR , PA 19087

US

Emergency Phone: 215-687-5253

Info Phone: 215-687-5253

Cage: 0DHP5

Contractor

AIRGAS

RADNOR, PA 19087

US

215-687-5253

Cage: 0DHP5

Ingredients

ARGON

CAS: 7440-37-1

RTECS: CF2300000

Hazards

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ARGON DEFINED AS SIMPLE ASPHYXIAN.
MAINTAIN OXYGEN LEVELS AT GREATER THAN 18 MOLAR PRECENT AT NORMAL
ATMOSPHERIC PRESSURE IS EQUIVALENT TO PARTIAL PRESSURE OF 135 MM HG
(ACGIH 1989-1990). ARGON NONTXIC BUT LIBERATION OF LARGE AMOUNT
IN CONFINED AREA COULD DISPLACE AMT OF OXYGEN IN AIR NEEDED TO
SUPPORT LIFE.

Effects of Overexposure:LOSS OF BALANCE OR DIZZINESS. TIGHTNESS IN
FRONTAL AREA OF THE FOREHEAD. TINGLING IN THE TONGUE, FINGERTIPS OR
TOES. WEAKENED SPEECH LEADING TO INABILITY TO UTTER SOUNDS. RAPID
REDUCTION IN ABILITY TO PERFORM MOVEMENTS. REDUCED CONSCIOUSNESS
OF SURROUNDINGS. LOSS OF TACTILE SENSATIONS. HEIGHTENED MENTAL
ACTIVITY. *

Medical Cond Aggravated by Exposure:PERSON IN ILL HEALTH WHERE SUCH

ILLNESS WOULD BE AGGRAVATED BY EXPOSURE TO ARGON SHOULD NOT BE ALLOWED TO WORK WITH OR HANDLE THIS PRODUCT.

First Aid

First Aid: PROMPT MEDICAL ATTENTION MANDATORY IN CASES OF OVEREXPOSURE TO ARGON. EQUIP RESCUE PERSONNEL WITH SCBA. INHALATION: ASSIST CONSCIOUS PERSONS TO UNCONTAMINATED AREA & INHALE FRESH AIR. QUICK REMOVAL FROM CONTAMINATED AREA MOST IMPORTANT. MOVE UNCONSCIOUS PERSONS TO AN UNCONTAMINATED AREA, GIVE MOUTH TO MOUTH RESUSCITATION & SUPPLEMENTAL OXYGEN. FURTHER TREATMENT SHOULD BE SYMPTOMATIC & SUPPORTIVE.

Fire Fighting

Extinguishing Media: NONFLAMMABLE, INERT GAS

Unusual Fire/Explosion Hazard: IF CYLINDERS ARE INVOLVED IN A FIRE, SAFELY RELOCATE OR KEEP COOL WITH WATER SPRAY.

Accidental Release

Spill Release Procedures: EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN CONTAINER OR CONTAINER VALVE, CONTACT YOUR CLOSEST SUPPLIER LOCATION OR CALL THE EMERGENCY TELEPHONE NUMBER LISTED HEREIN.

Handling

Handling and Storage Precautions: USE IN VENTED AREA. DON'T DRAG, SLIDE, ROLL CYLINDER (PROTECT FROM DAMAGE). VALVE PROTECT CAP MUST REMAIN IN PLACE UNLESS SECURED W/ VALVE OUTLET PIPE TO USE POINT

Other Precautions: DON'T HEAT CYLINDER TO INCREASE DISCHARGE RATE. USE CHECK VALVE/TRAP IN DISCHARGE LINE TO PREVENT HAZARD BACKFLOW. STORE IN COOL, DRY, VENTED AREA. DON'T STORE IN TEMPS > 130°F. STORE UPRIGHT USE PRESSURE REDUCING REGULATOR WHEN CONNECT CYLINDER TO < PRESSURE **

Exposure Controls

Respiratory Protection: POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation: TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS SO AS TO REDUCE OXYGEN LEVEL IN AIR TO LESS THAN 18 MOLAR PERCENT.

Protective Gloves: ANY MATERIAL

Eye Protection: SAFETY GOGGLES OR GLASSES

Other Protective Equipment: SAFETY SHOES

Supplemental Safety and Health

* NONE OF SYMPTOMS MAY OCCUR IN ARGON ASPHYXIA. THERE ARE NO DEFINITE WARNING SYMPTOMS. ** (EMPTY & FULL CYLINDERS. USE 1ST IN/1ST OUT INVENTORY SYSTEM (PREVENT EXCESSIVE STORAGE). REFILL BY QUALIFIED COMPRESSED GAS PRODUCER. WRITTEN CONSENT NEEDED FOR SHIPMENT BY CYLINDER NONOWNER.

Chemical Properties

Boiling Pt: B.P. Text: -302°F, -186°C

Melt/Freeze Pt: M.P/F.P Text: -309°F, -189°C

Vapor Pres: > -188°F

Vapor Density: 1.656 KG/M³

Spec Gravity: 1.38 (AIR=1)

Solubility in Water: VERY SLIGHT

Appearance and Odor: COLORLESS, ODORLESS GAS

Stability

Stability Indicator/Materials to Avoid: YES
NONE

Hazardous Decomposition Products: NONE

Disposal

Waste Disposal Methods: DON'T DISPOSE OF WASTE/UNUSED QTY. RETURN IN SHIPPING CONTAINER PROPERLY LABELED, W/ VALVE OUTLET PLUGS OR CAPS SECURED & VALVE PROTECTION CAP IN PLACE TO YOUR SUPPLIER. FOR EMERGENCY DISPOSAL ASSISTANCE, CONTACT YOUR CLOSEST SUPPLIER OR CALL EMERGENCY PHONE #

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.